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<http://www.mn-arts.org/>

November 2022 Edition

November Meeting Minutes:

Bob Liesenfeld, WB0POQ, called the meeting to order at the Minnetonka Community Center on November 5, 2022 at 1:17PM. 8 members were in attendance.

- The meeting minutes for the October 2022 meeting were approved.
- The Treasurer reported a balance of \$1895.68 in the treasury.

Old Business:

A reminder: MnARTS is still looking for candidates for Vice-president and Member At Large. If you have an interest, please contact **Bob Liesenfeld, WB0POQ**.

New Business:

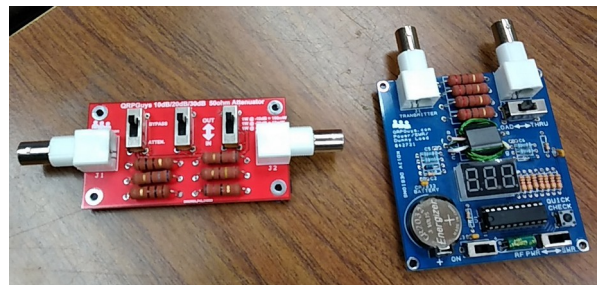
Bod Liesenfeld, WB0POQ, mentioned that **Rob Schweitzer, K0CD**, has traveled to St. Martin to be on the air for the CQ World Wide Contest and expects to be on either 40 M or 20 M this weekend.

Daniel Kelley, K0QHZ, inquired about planned Build-A-Thons. Current

thinking is to have a Repair-A-Thon at either December or January meeting.

Show and Tell:

Mike Burk, KD0JXE, brought in an SWR/Power meter with built in dummy load and a switchable 30 db attenuator, both built from kits purchased from QRP Guys (see <https://qrpguys.com/qrpguys-power-swr-dummy-load> and <https://qrpguys.com/qrpguys-10-20-30db-switched-attenuator>) he built last winter. He said they were easy to build and work well.



Bob Liesenfeld, WB0POQ, brought in a 40M ,1 W, crystal controlled direct conversion transceiver he built into a small metal (Altoids?) container some years ago.



Presentation:

Tim Burd, KD9IGX, gave a presentation titled "Crystal Oscillators: What They Are, How They Work, and How To Design Them."

Next Meeting:

The next meeting will be on Saturday, December 3, 2022 at 1PM in the Minnetonka Community Center.

Club Officers:

President: Bob Liesenfeld/WB0POQ

wb0poq@gmail.com

Vice Pres:

Secretary: Bede Willenbring/WA0QNV

b.willenbring@centurylink.net

Treasurer: Paul Bushouse/N0TYE

p-bushouse@bethel.edu

At Large: